

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2013 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

RD0003 Reclamation District No. 0003 Grand Island	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.					
	M *	29.08						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.13	0.03	0.25	0.86%	1.07	1.80		
Trim / Thin Trees	0.95	0.02	1.03	3.54%				
Encroachments	0.13	0.04	0.29	1.00%	0.46	0.04		
Slope Stability	0.01		0.01	0.03%				
Erosion / Bank Caving	0.01	0.07	0.29	1.00%				
Crown Surface / Depressions / Rutting	0.56		0.56	1.93%				
<i>Supplemental</i>								
USACE Erosion Survey	0.31		0.31	1.07%				
<i>LMA Totals:</i>	2.10	0.16	2.74	9.42% *	1.53	1.84	0.00	0.00
<b>Unit No. 01 Left Bank Steamboat Slough LB</b>								
RD0003	Overall Unit Rating	Total Unit Miles						
	M	11.03						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.04	0.01	0.08	0.73%	0.14	0.80		
Trim / Thin Trees	0.21		0.21	1.90%				
Encroachments	0.07	0.03	0.19	1.72%	0.10	0.03		
Erosion / Bank Caving	0.01	0.06	0.25	2.27%				
Crown Surface / Depressions / Rutting	0.21		0.21	1.90%				
<i>Supplemental</i>								
USACE Erosion Survey	0.29		0.29	2.63%				
<i>Unit Totals:</i>	0.83	0.10	1.23	11.15%	0.24	0.83	0.00	0.00
<b>Unit No. 02 Right Bank Sacramento River RB</b>								
RD0003	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.					
	M *	17.62						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.08	0.02	0.16	0.91%	0.93	1.00		
Trim / Thin Trees	0.71	0.02	0.79	4.48%				
Encroachments	0.05	0.01	0.09	0.51%	0.32	0.01		
Erosion / Bank Caving		0.01	0.04	0.23%				
<i>Supplemental</i>								
USACE Erosion Survey	0.02		0.02	0.11%				
<i>Unit Totals:</i>	0.86	0.06	1.10	6.24% *	1.25	1.01	0.00	0.00

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**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin (cont.)**

Unit No. 03 Cross Levee RD0003	Overall Unit Rating	Total Unit Miles							
	<b>U</b>	<b>0.43</b>	Maintenance Deficiency				Enforcement		Design & System Obsolescence
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	0.01		0.01	2.33%					
Trim / Thin Trees	0.03		0.03	6.98%					
Encroachments	0.01		0.01	2.33%	0.04				
Slope Stability	0.01		0.01	2.33%					
Crown Surface / Depressions / Rutting	0.35		0.35	81.40%					
<i>Unit Totals:</i>	0.41	0.00	0.41	95.35%	0.04	0.00	0.00	0.00	

**Flood Control Project Maintenance  
Levee Inspections  
LMA District Cover Sheet  
Fall 2013 Levee Inspection Results**

**Reclamation District No. 0003 Grand Island**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			<b>M</b>	

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\* **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

**FALL INSPECTIONS:** The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2013 Levee Inspection Results**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles
Unit No. 01 Left Bank Steamboat Slough	Left	11.03

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>M</b>	
Date of Inspection	04/11/2013 - 04/15/2013		10/01/2013 - 10/01/2013	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By	Michael Moncrief MBK Engineers		Michael Moncrief MBK Engineers	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.00	Earthen Levee	Operations & Maintenance Manuals	WS	A Ma		°	°	102
DWR ID: DWR_RD0003_01_s_2013_102										
2	0.00	0.00	Earthen Levee	Emergency Supplies & Equipment	WS	A Ma		°	°	103
DWR ID: DWR_RD0003_01_s_2013_103										
3	0.00	0.00	Earthen Levee	Flood Preparedness & Training	WS	A Ma		°	°	104
DWR ID: DWR_RD0003_01_s_2013_104										
4	0.14	0.14	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E2 : Schedule repair of erosion site prior to the next inspection. Inspector Comments: A hole (8ft x 2.5ft x 5ft) next to a large tree on waterward shoulder.	°	°	2 Y
DWR ID: DWR_RD0003_01_f_2013_2										
5	0.14	0.14	Earthen Levee	Encroachments	WS	U Ma	TR : Tree or limb Inspector Comments: Tree branches and limbs on waterward should.	38.303222 ° -121.576648 °	38.303222 ° -121.576648 °	19 Y
DWR ID: DWR_RD0003_01_f_2012_19										
6	0.18	0.23	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 1997 - Mass failure of berm slope and wave wash erosion. Large trees on top of berm, some failed trees. New area of low rock to on the upstream end. 2000 - Some minor erosion near the downstream end. 2005 - One new small tree has fallen. 2009 - Minimal new erosion. 2010 - Minor new erosion. 2012: No observed change. [2012 Site ID: STM_26-0_L]	38.303035 ° -121.577357 °	38.302544 ° -121.578241 °	4 Y
DWR ID:										
7	0.21	0.21	Earthen Levee	Encroachments	WS	M En	GA : Garbage Inspector Comments: Landowner has piled wooden boards and trash on waterside berm.	38.302625 ° -121.577683 °	38.302625 ° -121.577683 °	188 Y
DWR ID: DWR_RD0003_01_s_2012_188										
8	0.22	0.33	Earthen Levee	Vegetation	WS	U En	V6 : Landscaping	38.302530 ° -121.577848 °	38.301424 ° -121.579113 °	6 Y
DWR ID: DWR_RD0003_01_s_2012_6										
9	0.39	0.39	Earthen Levee	Trim / Thin Trees	WSA/W	M Ma	T1 : Trim trees to at least five feet above ground level.	38.300492 ° -121.579454 °	38.300492 ° -121.579454 °	3
DWR ID: DWR_RD0003_01_s_2012_3										
10	0.46	0.46	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.299690 ° -121.579959 °	38.299690 ° -121.579959 °	22 Y
DWR ID: DWR_RD0003_01_f_2012_22										
11	0.58	0.58	Earthen Levee	Encroachments	WSA/W	PI : Pipe En		38.298038 ° -121.580895 °	38.298038 ° -121.580895 °	1
DWR ID: DWR_RD0003_01_s_2012_1										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
12	0.92	1.01	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 1997 - Erosion of sandy levee on top left bank. Site is downstream of a rock section. Large riparian trees on the bank. 1999 - Upstream half of the reach repaired with rock, except for a 30 ft reach at the upstream end. 2001 - Rock repair on the upstream and downstream ends; no revetment at the trees. 2002 - Rock repair is starting to slide off the geotextile at the upstream end. 2005 - One new small tree has fallen. 2006 - 50 ft pocket at the downstream end and at the upstream end with new rock in between. 2007 - Upstream end has been repaired. 2010 - Some minor new erosion. 2011 - Minor new erosion. 2012: Minor new erosion at the toe. [2012 Site ID: STM_25-0_L]	38.293386 ° -121.582554 °	38.292675 ° -121.582741 °	10 Y
DWR ID:										
13	0.97	0.97	Earthen Levee	Encroachments	CRA/W	PI : Pipe Ma	Inspector Comments: Irrigation intake pipe through levee.	38.292662 ° -121.582536 °	38.292662 ° -121.582536 °	30 Y
DWR ID: DWR_RD0003_01_s_2012_30										
14	1.01	1.03	Earthen Levee	Vegetation	LS A/W	V2 : Remove the wild growth other than native grasses from the levee slopes. Ma	Inspector Comments: Vegetation on levee slope.	38.292052 ° -121.582671 °	38.291724 ° -121.582729 °	31 Y
DWR ID: DWR_RD0003_01_s_2012_31										
15	1.03	1.18	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2008 - Area closed sign on bank. Newly fallen trees at both ends and pop outs along the bank. 2010 - Site extended downstream. 2011 - New erosion at the toe. More trees popouts. 2012: No observed change. [2012 Site ID: STM_24-8_L]	38.291695 ° -121.582993 °	38.289575 ° -121.583092 °	14 Y
DWR ID:										
16	1.08	1.09	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.291055 ° -121.582765 °	38.290898 ° -121.582777 °	12 Y
DWR ID: DWR_RD0003_01_s_2012_12										
17	1.21	1.27	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.289130 ° -121.582800 °	38.288327 ° -121.582822 °	21 Y
DWR ID: DWR_RD0003_01_s_2013_21										
18	1.28	1.33	Earthen Levee	Trim / Thin Trees	LS A/W	T1 : Trim trees to at least five feet above ground level. Ma		38.288183 ° -121.582808 °	38.287433 ° -121.582982 °	5 Y
DWR ID: DWR_RD0003_01_s_2012_5										
19	1.32	1.32	Earthen Levee	Encroachments	WS	M En	PI : Pipe Inspector Comments: Irrigation intake pipe.	38.287518 ° -121.582953 °	38.287518 ° -121.582953 °	32 Y
DWR ID: DWR_RD0003_01_s_2012_32										
20	1.40	1.40	Earthen Levee	Encroachments	LS	M Ma	EQ : Equipment	38.286623 ° -121.583586 °	38.286614 ° -121.583583 °	33 Y
DWR ID: DWR_RD0003_01_s_2012_33										
21	1.60	1.60	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.284777 ° -121.586340 °	38.284777 ° -121.586340 °	15 Y
DWR ID: DWR_RD0003_01_s_2012_15										
22	1.61	1.61	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.284645 ° -121.586534 °	38.284645 ° -121.586534 °	7 Y
DWR ID: DWR_RD0003_01_s_2012_7										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> N : Not Inspected/Rated C : Corrected Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
23	1.62	1.62	Earthen Levee	Encroachments	WSA/W Ma	PI : Pipe	Inspector Comments: USGS equipment and pipe penetration.	38.284604 ° -121.586597 °	38.284604 ° -121.586597 °	34
DWR ID: DWR_RD0003_01_s_2012_34										
24	1.64	1.66	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping	38.284574 ° -121.586631 °	38.284177 ° -121.587208 °	16 Y
DWR ID: DWR_RD0003_01_s_2012_16										
25	1.77	1.77	Earthen Levee	Encroachments	LS A/W Ma	PR : Prunings		° °	° °	11
DWR ID: DWR_RD0003_01_s_2012_11										
26	1.77	1.77	Earthen Levee	Vegetation	LS Ma	M	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.282771 ° -121.588227 °	38.282771 ° -121.588227 °	8 Y
DWR ID: DWR_RD0003_01_s_2012_8										
27	1.87	1.87	Earthen Levee	Encroachments	WSA/W Ma	PI : Pipe	Inspector Comments: Irrigation intake pipe penetration.	38.281442 ° -121.588495 °	38.281442 ° -121.588495 °	35
DWR ID: DWR_RD0003_01_s_2012_35										
28	2.07	2.07	Earthen Levee	Encroachments	WS En	M	PI : Pipe Inspector Comments: Pump shed on waterside slope.	38.278615 ° -121.588727 °	38.278615 ° -121.588727 °	36 Y
DWR ID: DWR_RD0003_01_s_2012_36										
29	2.14	2.14	Earthen Levee	Encroachments	WSA/W En	PI : Pipe		38.277722 ° -121.589389 °	38.277722 ° -121.589389 °	37
DWR ID: DWR_RD0003_01_s_2012_37										
30	2.15	2.17	Supplemental Survey	USACE Erosion Survey	WS Ma	C	Inspector Comments: 2009 - Slumping at the levee toe , cobbles at the downstream end. 2010 - Very steep new vertical slump, short site, but looked bad. 2011 - This site is upgraded to CRITICAL. A section of rock has failed. Significant new erosion, bank is vertical almost to the top of the levee. Levee has a road on top that is used by trucks and heavy farm equipment. 2012: Repaired with rock by local Reclamation District. [2012 Site ID: STM_23-8_L]	38.277595 ° -121.589773 °	38.277261 ° -121.590039 °	108
DWR ID:										
31	2.39	2.39	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping	38.274775 ° -121.588295 °	38.274775 ° -121.588295 °	26 Y
DWR ID: DWR_RD0003_01_s_2013_26										
32	2.43	2.43	Earthen Levee	Encroachments	LS En	U	BU : Building Inspector Comments: Storage shed at landside toe.	38.274468 ° -121.587852 °	38.274468 ° -121.587852 °	28 Y
DWR ID: DWR_RD0003_01_s_2013_28										
33	2.45	2.45	Earthen Levee	Encroachments	WSA/W Ma	MA : Material	Inspector Comments: Landowner is stockpiling grass clippings on waterward slope.	° °	° °	101 Y
DWR ID: DWR_RD0003_01_s_2013_101										
34	2.46	2.46	Earthen Levee	Encroachments	WSA/W Ma	PI : Pipe	Inspector Comments: Irrigation intake pipe penetration.	38.274123 ° -121.587694 °	38.274123 ° -121.587694 °	40
DWR ID: DWR_RD0003_01_s_2012_40										
35	2.55	2.68	Earthen Levee	Trim / Thin Trees	LS Ma	M	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.272845 ° -121.587665 °	38.271070 ° -121.588632 °	29
DWR ID: DWR_RD0003_01_s_2013_29										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>+ Issue Type</b> N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
36	2.60	2.60	Earthen Levee	Encroachments	WS Ma	M	TR : Tree or limb Inspector Comments: Broken tree limbs on waterward shoulder.	°	°	13 Y
DWR ID: DWR_RD0003_01_f_2013_13										
37	2.70	2.70	Earthen Levee	Encroachments	WS Ma	M	TR : Tree or limb Inspector Comments: Broken tree limb on waterward slope.	38.270768 ° -121.588663 °	38.270768 ° -121.588663 °	38
DWR ID: DWR_RD0003_01_s_2013_38										
38	2.83	2.83	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.268844 ° -121.588264 °	38.268844 ° -121.588264 °	41
DWR ID: DWR_RD0003_01_s_2012_41										
39	2.89	2.89	Earthen Levee	Encroachments	WS En	U	BU : Building Inspector Comments: Storage shed has been here for several years on waterward berm. Storage shed is appears to be abandoned and should be removed.	38.268257 ° -121.587677 °	38.268257 ° -121.587677 °	48 Y
DWR ID: DWR_RD0003_01_s_2013_48										
40	2.89	2.89	Earthen Levee	Encroachments	WS Ma	M	GA : Garbage Inspector Comments: Tin roofing material on waterward berm.	°	°	105 Y
DWR ID: DWR_RD0003_01_f_2013_105										
41	2.93	2.93	Earthen Levee	Encroachments	WS Ma	M	PR : Prunings Inspector Comments: Grass clippings on waterward slope.	38.267750 ° -121.587463 °	38.267750 ° -121.587463 °	100
DWR ID: DWR_RD0003_01_s_2013_100										
42	2.94	2.94	Earthen Levee	Encroachments	LS En	A/W	PI : Pipe	38.267578 ° -121.587391 °	38.267578 ° -121.587391 °	42
DWR ID: DWR_RD0003_01_s_2012_42										
43	3.08	3.08	Earthen Levee	Encroachments	WSA/W En	PI	PI : Pipe Inspector Comments: 2 pipe penetrations.	38.265510 ° -121.587167 °	38.265510 ° -121.587167 °	46
DWR ID: DWR_RD0003_01_s_2012_46										
44	3.13	3.15	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping Inspector Comments: Oleander on landside shoulder.	38.264902 ° -121.587193 °	38.264580 ° -121.587220 °	20 Y
DWR ID: DWR_RD0003_01_s_2012_20										
45	3.18	3.18	Earthen Levee	Trim / Thin Trees	WS Ma	N	T5 : Tree stumps. Inspector Comments: 6 large stumps on slope.	38.264154 ° -121.587242 °	38.264154 ° -121.587242 °	47
DWR ID: DWR_RD0003_01_s_2012_47										
46	3.26	3.26	Earthen Levee	Encroachments	WSA/W En	PI	PI : Pipe Inspector Comments: Pipe crossing	38.263071 ° -121.587549 °	38.263071 ° -121.587549 °	49
DWR ID: DWR_RD0003_01_s_2012_49										
47	3.33	3.33	Earthen Levee	Vegetation	LS Ma	U	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Cactus	38.262289 ° -121.588250 °	38.262289 ° -121.588250 °	51 Y
DWR ID: DWR_RD0003_01_s_2012_51										
48	3.52	3.52	Earthen Levee	Encroachments	CR Ma	U	PI : Pipe Inspector Comments: Abandoned pipe through levee. No closure on waterward end.	38.261752 ° -121.591534 °	38.261752 ° -121.591534 °	52 Y
DWR ID: DWR_RD0003_01_s_2012_52										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
49	3.83	3.83	Earthen Levee	Vegetation	LS Ma	A/W V2	Remove the wild growth other than native grasses from the levee slopes.	38.258481 ° -121.593753 °	38.258481 ° -121.593753 °	53 Y
DWR ID: DWR_RD0003_01_s_2012_53										
50	3.85	3.90	Earthen Levee	Trim / Thin Trees	LS Ma	M T3	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.258222 ° -121.593793 °	38.257453 ° -121.593942 °	9 Y
DWR ID: DWR_RD0003_01_s_2012_9										
51	4.08	4.08	Earthen Levee	Encroachments	WS Ma	U PI	Pipe Inspector Comments: Spoke to district manager he indicated that landowner has applied for a permit and is working with the district engineer. Pipe should be installed above ground.	38.255217 ° -121.595593 °	38.255217 ° -121.595593 °	39 Y
DWR ID: DWR_RD0003_01_s_2012_39										
52	4.12	4.12	Earthen Levee	Encroachments	WSA/W Ma	PI PI	Pipe Pipe	38.254844 ° -121.596045 °	38.254844 ° -121.596045 °	54 Y
DWR ID: DWR_RD0003_01_s_2012_54										
53	4.16	4.16	Earthen Levee	Encroachments	LS Ma	A/W PR	Prunings	38.254455 ° -121.596635 °	38.254092 ° -121.597554 °	55 Y
DWR ID: DWR_RD0003_01_s_2012_55										
54	4.18	4.18	Earthen Levee	Encroachments	LS Ma	A/W PI	Pipe Pipe	38.254311 ° -121.596956 °	38.254311 ° -121.596956 °	56 Y
DWR ID: DWR_RD0003_01_s_2012_56										
55	4.30	4.49	Earthen Levee	Vegetation	LS Ma	A/W V2	Remove the wild growth other than native grasses from the levee slopes.	38.253800 ° -121.599100 °	38.251824 ° -121.600980 °	57 Y
DWR ID: DWR_RD0003_01_s_2012_57										
56	4.41	4.41	Earthen Levee	Encroachments	WSA/W Ma	PI PI	Pipe Pipe	38.252971 ° -121.600710 °	38.252971 ° -121.600710 °	58 Y
DWR ID: DWR_RD0003_01_s_2012_58										
57	4.79	4.79	Earthen Levee	Vegetation	LS En	M V6	Landscaping Inspector Comments: Ivy covering lower half of landward slope and toe.	38.247563 ° -121.600865 °	38.247563 ° -121.600865 °	50 Y
DWR ID: DWR_RD0003_01_s_2013_50										
58	5.11	5.11	Earthen Levee	Vegetation	WS Ma	M V2	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Century plant on waterward slope.	38.242873 ° -121.600817 °	38.242873 ° -121.600817 °	60 Y
DWR ID: DWR_RD0003_01_s_2013_60										
59	5.25	5.25	Earthen Levee	Encroachments	WSA/W Ma	PI PI	Pipe Inspector Comments: Pipe crossing	38.240973 ° -121.601374 °	38.240973 ° -121.601374 °	59 Y
DWR ID: DWR_RD0003_01_s_2012_59										
60	5.33	5.33	Earthen Levee	Vegetation	LS Ma	M V2	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Century plant on landside slope next to ramp.	38.239886 ° -121.601752 °	38.239886 ° -121.601752 °	61 Y
DWR ID: DWR_RD0003_01_s_2012_61										
61	5.37	5.40	Earthen Levee	Vegetation	LS En	M V6	Landscaping	38.239276 ° -121.601899 °	38.238852 ° -121.602000 °	43 Y
DWR ID: DWR_RD0003_01_s_2012_43										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
62	5.48	5.50	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping Inspector Comments: Large century plants.	38.237690 ° -121.602231 °	38.236575 ° -121.602155 °	44 Y
DWR ID: DWR_RD0003_01_s_2012_44										
63	5.53	5.53	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.237000 ° -121.602208 °	38.237000 ° -121.602208 °	45 Y
DWR ID: DWR_RD0003_01_s_2012_45										
64	5.67	5.67	Earthen Levee	Encroachments	LS A/W	PI : Pipe Ma	Inspector Comments: Pipe crossing	38.235049 ° -121.601810 °	38.235049 ° -121.601810 °	62 Y
DWR ID: DWR_RD0003_01_s_2012_62										
65	5.70	5.70	Earthen Levee	Encroachments	LS A/W	EQ : Equipment Ma	Inspector Comments: Landplane at toe of levee.	38.234628 ° -121.601726 °	38.234628 ° -121.601726 °	63 Y
DWR ID: DWR_RD0003_01_s_2012_63										
66	5.76	5.76	Earthen Levee	Vegetation	LS A/W	V6 : Landscaping En	Inspector Comments: Landowner trimmed landscaping.	38.233767 ° -121.601469 °	38.233767 ° -121.601469 °	64 Y
DWR ID: DWR_RD0003_01_s_2012_64										
67	5.78	5.78	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.233482 ° -121.601362 °	38.233482 ° -121.601362 °	67 Y
DWR ID: DWR_RD0003_01_s_2013_67										
68	5.98	5.98	Earthen Levee	Encroachments	WSA/W	PI : Pipe Ma	Inspector Comments: Pipe crossing	38.230616 ° -121.601643 °	38.230616 ° -121.601643 °	65 Y
DWR ID: DWR_RD0003_01_s_2012_65										
69	6.26	6.26	Earthen Levee	Encroachments	CRA/W	PI : Pipe Ma	Inspector Comments: Abandoned pipe	38.226430 ° -121.601432 °	38.226430 ° -121.601432 °	66 Y
DWR ID: DWR_RD0003_01_s_2012_66										
70	6.55	6.55	Earthen Levee	Encroachments	CRA/W	PI : Pipe En	Inspector Comments: Abandoned pipe	38.222481 ° -121.600987 °	38.222481 ° -121.600987 °	68 Y
DWR ID: DWR_RD0003_01_s_2012_68										
71	6.76	6.76	Earthen Levee	Encroachments	LS A/W	PI : Pipe En	Inspector Comments: Drainage pipe crossing	38.219603 ° -121.601767 °	38.219603 ° -121.601767 °	69 Y
DWR ID: DWR_RD0003_01_s_2012_69										
72	6.83	6.90	Earthen Levee	Encroachments	LS	M En	FE : Fence Inspector Comments: Fencing on landward shoulder.	° °	° °	106 Y
DWR ID: DWR_RD0003_01_f_2013_106										
73	6.90	6.90	Earthen Levee	Encroachments	WSA/W	PI : Pipe En	Inspector Comments: Pipe crossing	38.217893 ° -121.603146 °	38.217893 ° -121.603146 °	70 Y
DWR ID: DWR_RD0003_01_s_2012_70										
74	7.00	7.00	Earthen Levee	Encroachments	LS	M Ma	GA : Garbage	38.216583 ° -121.603986 °	38.216583 ° -121.603986 °	24 Y
DWR ID: DWR_RD0003_01_f_2012_24										
75	7.05	7.05	Earthen Levee	Encroachments	CRA/W	PI : Pipe En	Inspector Comments: Pipe crossing	38.215976 ° -121.604370 °	38.215976 ° -121.604370 °	71 Y
DWR ID: DWR_RD0003_01_s_2012_71										
76	7.05	7.07	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level. Inspector Comments: Trim trees at landward toe.	38.215947 ° -121.604398 °	38.215643 ° -121.604603 °	93 Y
DWR ID: DWR_RD0003_01_s_2013_93										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway			Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough			Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	
77	7.08	7.10	Earthen Levee	Vegetation	LS A/W En	V6 : Landscaping Inspector Comments: Remove century plant on landside shoulder and slope. Landowner removed all century plants expect for three plants.	38.215490 ° -121.604700 °	38.215355 ° -121.604793 °	23 Y
DWR ID: DWR_RD0003_01_s_2012_23									
78	7.22	7.49	Earthen Levee	Vegetation	WSA/W En	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Vegetation near boat launch obstructs visibility.	38.213785 ° -121.605671 °	38.210179 ° -121.607686 °	72 Y
DWR ID: DWR_RD0003_01_s_2012_72									
79	7.49	7.49	Earthen Levee	Vegetation	LS A/W En	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.210178 ° -121.607687 °	38.210178 ° -121.607687 °	73 Y
DWR ID: DWR_RD0003_01_s_2012_73									
80	7.68	7.68	Earthen Levee	Vegetation	WS En	V6 : Landscaping	38.207640 ° -121.609334 °	38.207640 ° -121.609334 °	75 Y
DWR ID: DWR_RD0003_01_s_2012_75									
81	7.69	7.69	Earthen Levee	Encroachments	LS En	BU : Building	38.207666 ° -121.609327 °	38.207666 ° -121.609327 °	74 Y
DWR ID: DWR_RD0003_01_s_2012_74									
82	7.73	7.73	Earthen Levee	Vegetation	LS En	V6 : Landscaping	38.207036 ° -121.609540 °	38.207036 ° -121.609540 °	76 Y
DWR ID: DWR_RD0003_01_s_2012_76									
83	7.81	7.83	Earthen Levee	Vegetation	WS En	V6 : Landscaping	38.205964 ° -121.609576 °	38.205733 ° -121.609608 °	971 Y
DWR ID: DWR_RD0003_01_s_2012_971									
84	7.84	8.31	Earthen Levee	Vegetation	LS En	V6 : Landscaping Inspector Comments: Trees within 10' of levee toe obstruct access and visibility of levee toe.	38.205243 ° -121.609689 °	38.198989 ° -121.611815 °	78 Y
DWR ID: DWR_RD0003_01_s_2012_78									
85	7.84	7.84	Earthen Levee	Encroachments	WSA/W En	PI : Pipe Inspector Comments: Pipe crossing	38.205254 ° -121.609686 °	38.205254 ° -121.609686 °	77 Y
DWR ID: DWR_RD0003_01_s_2012_77									
86	7.95	8.00	Earthen Levee	Vegetation	LS En	V6 : Landscaping	38.203945 ° -121.609932 °	38.203283 ° -121.610025 °	25 Y
DWR ID: DWR_RD0003_01_s_2012_25									
87	7.99	7.99	Earthen Levee	Encroachments	WSA/W En	PI : Pipe Inspector Comments: Pipe crossing	38.203173 ° -121.610047 °	38.203173 ° -121.610047 °	79 Y
DWR ID: DWR_RD0003_01_s_2012_79									
88	8.12	8.12	Earthen Levee	Encroachments	WSA/W En	PI : Pipe Inspector Comments: Pipe crossing	38.201582 ° -121.610448 °	38.201582 ° -121.610448 °	80 Y
DWR ID: DWR_RD0003_01_s_2012_80									
89	8.18	8.18	Earthen Levee	Encroachments	WSA/W En	PI : Pipe Inspector Comments: Pipe crossing	38.200684 ° -121.610858 °	38.200684 ° -121.610858 °	81 Y
DWR ID: DWR_RD0003_01_s_2012_81									
90	8.31	8.31	Earthen Levee	Encroachments	LS A/W En	PI : Pipe	38.198989 ° -121.611816 °	38.198989 ° -121.611816 °	82 Y
DWR ID: DWR_RD0003_01_s_2012_82									

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
91	8.36	8.36	Earthen Levee	Encroachments	WSA/W	PI : Pipe En		38.198307 ° -121.612240 °	38.198307 ° -121.612240 °	83
DWR ID: DWR_RD0003_01_s_2012_83										
92	8.45	8.45	Earthen Levee	Encroachments	LS	M Ma	PR : Prunings Inspector Comments: Prunings on landward slope.	38.197202 ° -121.612962 °	38.197202 ° -121.612962 °	94
DWR ID: DWR_RD0003_01_s_2013_94										
93	8.45	8.49	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.197194 ° -121.612947 °	38.196650 ° -121.613383 °	17
DWR ID: DWR_RD0003_01_s_2012_17										
94	8.72	8.72	Earthen Levee	Encroachments	WSA/W	PI : Pipe En		38.194531 ° -121.616327 °	38.194531 ° -121.616327 °	84
DWR ID: DWR_RD0003_01_s_2012_84										
95	8.75	8.75	Earthen Levee	Encroachments	WSA/W	PI : Pipe En	Inspector Comments: RD 3 drainage discharge pipes. (3)	38.194295 ° -121.616896 °	38.194295 ° -121.616896 °	85 Y
DWR ID: DWR_RD0003_01_s_2012_85										
96	8.85	8.85	Earthen Levee	Encroachments	WSA/W	PI : Pipe En		38.193706 ° -121.618549 °	38.193706 ° -121.618549 °	86
DWR ID: DWR_RD0003_01_s_2012_86										
97	8.95	8.95	Earthen Levee	Trim / Thin Trees	LS	N Ma	T5 : Tree stumps.	38.193142 ° -121.620206 °	38.193142 ° -121.620206 °	18
DWR ID: DWR_RD0003_01_s_2012_18										
98	9.04	9.04	Earthen Levee	Encroachments	WSA/W	PI : Pipe En		38.192702 ° -121.621754 °	38.192702 ° -121.621754 °	87
DWR ID: DWR_RD0003_01_s_2012_87										
99	9.19	9.19	Earthen Levee	Erosion / Bank Caving	WSA/W	E2 : En	Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion around pipe penetration	38.192301 ° -121.624394 °	38.192301 ° -121.624394 °	89 Y
DWR ID: DWR_RD0003_01_s_2012_89										
100	9.19	9.19	Earthen Levee	Encroachments	WSA/W	PI : Pipe En		38.192306 ° -121.624473 °	38.192306 ° -121.624473 °	88 Y
DWR ID: DWR_RD0003_01_s_2012_88										
101	10.19	10.19	Earthen Levee	Encroachments	WSA/W	PI : Pipe En		38.188725 ° -121.641070 °	38.188725 ° -121.641070 °	90
DWR ID: DWR_RD0003_01_s_2012_90										
102	10.20	10.22	Earthen Levee	Trim / Thin Trees	LS	A/W En	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.	38.188613 ° -121.641175 °	38.188388 ° -121.641485 °	27 Y
DWR ID: DWR_RD0003_01_s_2012_27										
103	10.37	10.37	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	° °	° °	107
DWR ID: DWR_RD0003_01_f_2013_107										
104	10.53	10.53	Earthen Levee	Encroachments	LS	A/W En	PI : Pipe	38.185029 ° -121.645154 °	38.185029 ° -121.645154 °	91
DWR ID: DWR_RD0003_01_s_2012_91										
105	10.81	11.02	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M Ma	C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.	38.183518 ° -121.649843 °	38.182393 ° -121.653388 °	95
DWR ID: DWR_RD0003_01_s_2013_95										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
106	10.83	10.83	Earthen Levee	Erosion / Bank Caving	WS	U Ma	E2 : Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion extends to waterward shoulder.	38.183422 ° -121.650182 °	38.183422 ° -121.650182 °	96 Y
DWR ID: DWR_RD0003_01_s_2013_96										
107	10.87	10.88	Earthen Levee	Erosion / Bank Caving	WS	U Ma	E2 : Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion extends to waterward shoulder.	38.183228 ° -121.650797 °	38.183123 ° -121.651070 °	97 Y
DWR ID: DWR_RD0003_01_s_2013_97										
108	10.87	11.01	Earthen Levee	Vegetation	LS	A/W En	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Photo of obstructive vegetation beyond levee mile 10.87	38.183204 ° -121.650861 °	38.182481 ° -121.653199 °	92 Y
DWR ID: DWR_RD0003_01_s_2012_92										
109	10.95	10.97	Earthen Levee	Erosion / Bank Caving	WS	U Ma	E2 : Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion extends to waterward shoulder.	38.182792 ° -121.652142 °	38.182672 ° -121.652555 °	98 Y
DWR ID: DWR_RD0003_01_s_2013_98										
110	11.00	11.02	Earthen Levee	Erosion / Bank Caving	WS	U Ma	E2 : Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion extends to waterward shoulder.	38.182537 ° -121.652987 °	38.182388 ° -121.653388 °	99 Y
DWR ID: DWR_RD0003_01_s_2013_99										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	4
Start Levee Mile	0.14
End Levee Mile	0.14
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Looking west at a hole next to oak tree on waterward shoulder.	
richard_f_20131003_045.JPG	



Levee Mile Report Line	4
Start Levee Mile	0.14
End Levee Mile	0.14
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Looking east at a hole next to oak tree on waterward shoulder.	
richard_f_20131003_046.JPG	



Levee Mile Report Line	5
Start Levee Mile	0.14
End Levee Mile	0.14
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking south at tree branches on waterward shoulder.	
richard_f_20131003_047.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	6
Start Levee Mile	0.18
End Levee Mile	0.23
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_STM_26-0_L_1.jpg	



Levee Mile Report Line	6
Start Levee Mile	0.18
End Levee Mile	0.23
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #2	
USACE2013_STM_26-0_L_2.jpg	



Levee Mile Report Line	7
Start Levee Mile	0.21
End Levee Mile	0.21
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking southwest at trash on waterside berm.	
richard_f_20130918_143.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

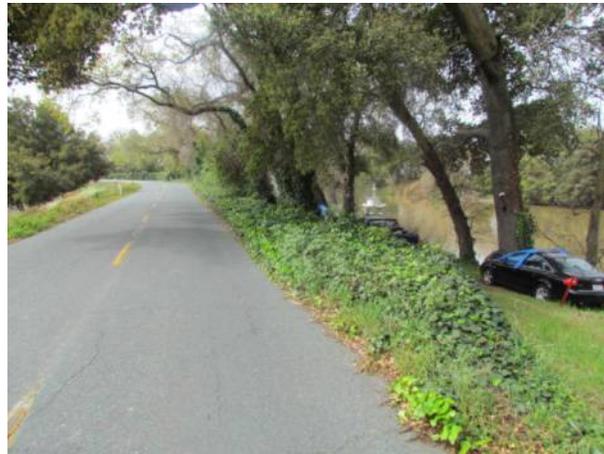
**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	7
Start Levee Mile	0.21
End Levee Mile	0.21
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking southwest at equipment and garbage stored on waterward slope and toe.	
richard_f_20131003_048.JPG	



Levee Mile Report Line	8
Start Levee Mile	0.22
End Levee Mile	0.33
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Looking southwest at landscaping on waterside shoulder and slope.	
richard_f_20130918_077.jpg	



Levee Mile Report Line	10
Start Levee Mile	0.46
End Levee Mile	0.46
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southeast at century plant on landside shoulder.	
richard_f_20130918_092.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	12
Start Levee Mile	0.92
End Levee Mile	1.01
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1

USACE2013\_STM\_25-0\_L\_1.jpg



Levee Mile Report Line	12
Start Levee Mile	0.92
End Levee Mile	1.01
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2

USACE2013\_STM\_25-0\_L\_2.jpg



Levee Mile Report Line	13
Start Levee Mile	0.97
End Levee Mile	0.97
Location	Crown
Category	Earthen Levee
Item	Encroachments

Irrigation intake pipe from Steamboat Slough.

richard\_f\_20130918\_104.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	14
Start Levee Mile	1.01
End Levee Mile	1.03
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Grass on levee slope and toe exceeds 12" and partially obstructs visibility.	
richard_f_20130918_105.jpg	



Levee Mile Report Line	15
Start Levee Mile	1.03
End Levee Mile	1.18
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_STM_24-8_L_1.jpg	



Levee Mile Report Line	15
Start Levee Mile	1.03
End Levee Mile	1.18
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #2	
USACE2013_STM_24-8_L_2.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	16
Start Levee Mile	1.08
End Levee Mile	1.09
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southeast at landscaping on landside slope.	
richard_f_20130918_082.jpg	



Levee Mile Report Line	16
Start Levee Mile	1.08
End Levee Mile	1.09
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking northeast at dense landscape on landward slope. (Spring 2013)	
richard_f_20130918_083.JPG	



Levee Mile Report Line	17
Start Levee Mile	1.21
End Levee Mile	1.27
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southeast at dense landscape (Oleanders) on landward shoulder and slope.	
richard_f_20130918_090.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	17
Start Levee Mile	1.21
End Levee Mile	1.27
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking north at dense landscaping on landward shoulder and slope.

richard\_f\_20130918\_091.JPG



Levee Mile Report Line	19
Start Levee Mile	1.32
End Levee Mile	1.32
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Irrigation pipe penetration.

richard\_f\_20130918\_106.jpg



Levee Mile Report Line	20
Start Levee Mile	1.40
End Levee Mile	1.40
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Equipment within 10' of levee toe obstructs access and visibility.

richard\_f\_20130918\_107.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	20
Start Levee Mile	1.40
End Levee Mile	1.40
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking east at tool shed and equipment on landside toe.	
richard_f_20130918_108.jpg	



Levee Mile Report Line	21
Start Levee Mile	1.60
End Levee Mile	1.60
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southeast at dense trees on landside shoulder and slope.	
richard_f_20130918_086.jpg	



Levee Mile Report Line	21
Start Levee Mile	1.60
End Levee Mile	1.60
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southeast at dense trees on landside shoulder and slope. (updated Spring 2012)	
richard_f_20130918_087.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	22
Start Levee Mile	1.61
End Levee Mile	1.61
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking south at dense landscaping on landside shoulder and slope.	
richard_f_20130918_078.jpg	



Levee Mile Report Line	24
Start Levee Mile	1.64
End Levee Mile	1.66
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southwest at dense landscaping on landside shoulder and slope.	
richard_f_20130918_088.jpg	



Levee Mile Report Line	26
Start Levee Mile	1.77
End Levee Mile	1.77
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking east at vegetation on landside slope.	
richard_f_20130918_079.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	28
Start Levee Mile	2.07
End Levee Mile	2.07
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Pipe penetration and pump shed on waterside slope.	
richard_f_20130918_109.jpg	



Levee Mile Report Line	31
Start Levee Mile	2.39
End Levee Mile	2.39
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking east at dense landscaping on landward slope.	
richard_f_20130918_098.JPG	



Levee Mile Report Line	32
Start Levee Mile	2.43
End Levee Mile	2.43
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northeast at storage shed at landward toe.	
richard_f_20130918_102.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	32
Start Levee Mile	2.43
End Levee Mile	2.43
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking north at storage shed at landward toe.	
richard_f_20130918_103.JPG	



Levee Mile Report Line	33
Start Levee Mile	2.45
End Levee Mile	2.45
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking west at grass clippings on waterward slope.	
richard_f_20130918_142.JPG	



Levee Mile Report Line	36
Start Levee Mile	2.60
End Levee Mile	2.60
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking southwest at broken tree limbs on waterward shoulder and slope.	
richard_f_20131003_049.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	39
Start Levee Mile	2.89
End Levee Mile	2.89
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking northwest at storage shed on waterward berm.

richard\_f\_20130918\_113.JPG



Levee Mile Report Line	40
Start Levee Mile	2.89
End Levee Mile	2.89
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking west a tin roofing material on waterward berm.

richard\_f\_20131003\_050.JPG



Levee Mile Report Line	41
Start Levee Mile	2.93
End Levee Mile	2.93
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking southwest at grass clippings on waterward berm.

richard\_f\_20131003\_051.JPG



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	44
Start Levee Mile	3.13
End Levee Mile	3.15
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking northeast at dense veg. on landside slope.	
richard_f_20130918_089.jpg	



Levee Mile Report Line	47
Start Levee Mile	3.33
End Levee Mile	3.33
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Large cactus on upper levee slope obstructs access and visibility.	
richard_f_20130918_115.jpg	



Levee Mile Report Line	48
Start Levee Mile	3.52
End Levee Mile	3.52
Location	Crown
Category	Earthen Levee
Item	Encroachments
Abandoned pipe penetration. Pipe has been grouted.	
richard_f_20130918_116.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	50
Start Levee Mile	3.85
End Levee Mile	3.90
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking southeast at trees on landward shoulder and slope.

richard\_f\_20131003\_052.JPG



Levee Mile Report Line	51
Start Levee Mile	4.08
End Levee Mile	4.08
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking east at a trench on landward slope and berm.

richard\_f\_20131003\_053.JPG



Levee Mile Report Line	51
Start Levee Mile	4.08
End Levee Mile	4.08
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking north at a cut-off steel pipe in trench on landward slope.

richard\_f\_20131003\_054.JPG



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	51
Start Levee Mile	4.08
End Levee Mile	4.08
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking east at a trench on landward slope.

richard\_f\_20131003\_055.JPG



Levee Mile Report Line	51
Start Levee Mile	4.08
End Levee Mile	4.08
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Looking west at a new pump and pipe on waterward slope.

richard\_f\_20131003\_056.JPG



Levee Mile Report Line	55
Start Levee Mile	4.30
End Levee Mile	4.49
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Vegetation on levee slopes and toe partially obstruct visibility.

richard\_f\_20130918\_117.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	57
Start Levee Mile	4.79
End Levee Mile	4.79
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking northeast at landscaping at lower half of landward slope and toe.	
richard_f_20130918_114.JPG	



Levee Mile Report Line	58
Start Levee Mile	5.11
End Levee Mile	5.11
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Looking west at century plant on waterward slope.	
richard_f_20130918_118.JPG	



Levee Mile Report Line	60
Start Levee Mile	5.33
End Levee Mile	5.33
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking west at century plants on landside slope next to a ramp.	
richard_f_20130918_119.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	61
Start Levee Mile	5.37
End Levee Mile	5.40
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southeast at ground cover on landward slope.	
richard_f_20130918_110.JPG	



Levee Mile Report Line	62
Start Levee Mile	5.48
End Levee Mile	5.50
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southeast at century plants on landside shoulder and slope.	
richard_f_20130918_111.jpg	



Levee Mile Report Line	63
Start Levee Mile	5.53
End Levee Mile	5.53
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking east at landscaping on landside toe.	
richard_f_20130918_112.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	65
Start Levee Mile	5.70
End Levee Mile	5.70
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking east at dense vegetation covering farm equipment on landside toe.	
richard_f_20130918_120.jpg	



Levee Mile Report Line	66
Start Levee Mile	5.76
End Levee Mile	5.76
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping on levee slope and within 10' of levee toe obstruct visibility and access.	
richard_f_20130918_121.jpg	



Levee Mile Report Line	66
Start Levee Mile	5.76
End Levee Mile	5.76
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southeast at trimmed landscaping on landside shoulder and slope. (Updated Spring 2012)	
richard_f_20130918_122.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	71
Start Levee Mile	6.76
End Levee Mile	6.76
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Interior drainage discharge pipe penetrates levee.	
richard_f_20130918_123.jpg	



Levee Mile Report Line	72
Start Levee Mile	6.83
End Levee Mile	6.90
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking southeast at fencing on landward shoulder and slope.	
richard_f_20131003_057.JPG	



Levee Mile Report Line	74
Start Levee Mile	7.00
End Levee Mile	7.00
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking east at garbage at landside toe.	
richard_f_20130918_096.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	77
Start Levee Mile	7.08
End Levee Mile	7.10
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Large cactus plant on landside shoulder block view of levee slope from LM 7.08 to 7.10.	
richard_f_20130918_093.jpg	



Levee Mile Report Line	77
Start Levee Mile	7.08
End Levee Mile	7.10
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking northeast at updated picture (5/2010) of century plants on landside shoulder and slope.	
richard_f_20130918_094.jpg	



Levee Mile Report Line	77
Start Levee Mile	7.08
End Levee Mile	7.10
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southeast at after landowner removed cactus plant on landward shoulder.	
richard_f_20130918_095.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	78
Start Levee Mile	7.22
End Levee Mile	7.49
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Vegetation on levee slope near boat launch is partially obstructive.	
richard_f_20130918_124.jpg	



Levee Mile Report Line	80
Start Levee Mile	7.68
End Levee Mile	7.68
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Looking southwest at landscaping in front of a house on waterside berm. Also not in the picture a building on landside berm.	
richard_f_20130918_126.jpg	



Levee Mile Report Line	81
Start Levee Mile	7.69
End Levee Mile	7.69
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Buildings obstruct access and visibility of levee slope and toe.	
richard_f_20130918_125.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	83
Start Levee Mile	7.81
End Levee Mile	7.83
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Front view of dense trees at landside toe.

richard\_f\_20130918\_144.jpg



Levee Mile Report Line	83
Start Levee Mile	7.81
End Levee Mile	7.83
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Side view of dense trees at landside toe.

richard\_f\_20130918\_145.jpg



Levee Mile Report Line	84
Start Levee Mile	7.84
End Levee Mile	8.31
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Trees within 10' of levee toe obstruct access and visibility of levee toe.

richard\_f\_20130918\_127.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	86
Start Levee Mile	7.95
End Levee Mile	8.00
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping (Ivy) on landside slope blocking view of levee from LM 7.95 to 8.00	
richard_f_20130918_097.jpg	



Levee Mile Report Line	95
Start Levee Mile	8.75
End Levee Mile	8.75
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Interior drainage discharge pipes penetrate levee.	
richard_f_20130918_128.jpg	



Levee Mile Report Line	99
Start Levee Mile	9.19
End Levee Mile	9.19
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Erosion occurring around pipe penetration.	
richard_f_20130918_130.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	99
Start Levee Mile	9.19
End Levee Mile	9.19
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Looking west at repaired erosion around irrigation pipe.	
richard_f_20130918_131.jpg	



Levee Mile Report Line	100
Start Levee Mile	9.19
End Levee Mile	9.19
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Pipe penetration showing newer pipe next to abandoned pipe.	
richard_f_20130918_129.jpg	



Levee Mile Report Line	102
Start Levee Mile	10.20
End Levee Mile	10.22
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Trees to be trimmed on landside shoulder from LM 10.20 to 10.22	
richard_f_20130918_099.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	102
Start Levee Mile	10.20
End Levee Mile	10.22
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Side view of trees on landside shoulder.

richard\_f\_20130918\_100.jpg



Levee Mile Report Line	102
Start Levee Mile	10.20
End Levee Mile	10.22
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Looking north at updated picture (5/10) of dense trees on landside slope.

richard\_f\_20130918\_101.jpg



Levee Mile Report Line	106
Start Levee Mile	10.83
End Levee Mile	10.83
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking southwest at erosion on waterward slope.

richard\_f\_20130918\_133.JPG



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	106
Start Levee Mile	10.83
End Levee Mile	10.83
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking northwest at erosion on waterward slope.

richard\_f\_20130918\_134.JPG



Levee Mile Report Line	107
Start Levee Mile	10.87
End Levee Mile	10.88
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking southwest at erosion on waterward slope.

richard\_f\_20130918\_135.JPG



Levee Mile Report Line	107
Start Levee Mile	10.87
End Levee Mile	10.88
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking south at erosion on waterward slope.

richard\_f\_20130918\_136.JPG



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	108
Start Levee Mile	10.87
End Levee Mile	11.01
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking south at typical view of levee between levee mile 10.87 to 11.01	
richard_f_20130918_132.jpg	



Levee Mile Report Line	109
Start Levee Mile	10.95
End Levee Mile	10.97
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Looking north at erosion on waterward slope.	
richard_f_20130918_137.JPG	



Levee Mile Report Line	109
Start Levee Mile	10.95
End Levee Mile	10.97
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Looking west at erosion on waterward slope.	
richard_f_20130918_138.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	11.03	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	109
Start Levee Mile	10.95
End Levee Mile	10.97
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Looking northwest at erosion on waterward shoulder and slope.	
richard_f_20130918_139.JPG	



Levee Mile Report Line	110
Start Levee Mile	11.00
End Levee Mile	11.02
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Looking north at erosion on waterward shoulder and slope.	
richard_f_20130918_140.JPG	



Levee Mile Report Line	110
Start Levee Mile	11.00
End Levee Mile	11.02
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Looking west at erosion on waterward slope.	
richard_f_20130918_141.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2013 Levee Inspection Results**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles
Unit No. 02 Right Bank Sacramento River	Right	17.62

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>M</b>	
Date of Inspection	04/15/2013 - 04/15/2013		10/01/2013 - 10/02/2013	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By	Michael Moncrief MBK Engineers		Michael Moncrief MBK Engineers	
	Dave Robinson RD 3		Dave Robinson RD 3	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector		
Unit No. 02 Right Bank Sacramento River				Right	17.62	10/01/2013 10/02/2013	Richard Willoughby		
LMIR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	
1	0.00	0.40	Earthen Levee	Vegetation	LS A/W En	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Vegetation on waterside and landside slope complies with standards.	38.175971 ° -121.653764 °	38.175971 ° -121.647142 °	73 Y
DWR ID: DWR_RD0003_02_s_2012_73									
2	0.07	0.07	Earthen Levee	Trim / Thin Trees	LS M Ma	T1 : Trim trees to at least five feet above ground level.	38.175433 ° -121.652697 °	38.175433 ° -121.652697 °	36 Y
DWR ID: DWR_RD0003_02_s_2013_36									
3	0.09	0.09	Earthen Levee	Encroachments	LS M Ma	GA : Garbage	38.175340 ° -121.652452 °	38.175340 ° -121.652452 °	38 Y
DWR ID: DWR_RD0003_02_s_2013_38									
4	0.17	0.17	Earthen Levee	Trim / Thin Trees	WSA/W En	T1 : Trim trees to at least five feet above ground level.	38.174890 ° -121.651031 °	38.174890 ° -121.651031 °	3 Y
DWR ID: DWR_RD0003_02_s_2012_3									
5	0.25	0.25	Earthen Levee	Trim / Thin Trees	LS M Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.174504 ° -121.649651 °	38.174504 ° -121.649651 °	4 Y
DWR ID: DWR_RD0003_02_s_2012_4									
6	0.31	0.33	Earthen Levee	Vegetation	WS M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: New sprouts of bamboo.	38.174281 ° -121.648698 °	38.174209 ° -121.648352 °	5 Y
DWR ID: DWR_RD0003_02_s_2012_5									
7	0.33	0.33	Earthen Levee	Trim / Thin Trees	LS M Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.174203 ° -121.648400 °	38.174203 ° -121.648400 °	41 Y
DWR ID: DWR_RD0003_02_s_2013_41									
8	0.36	0.36	Earthen Levee	Erosion / Bank Caving	WS U Ma	E2 : Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion extends from the waterward toe to the waterward shoulder.	° °	° °	29 Y
DWR ID: DWR_RD0003_02_f_2013_29									
9	0.40	0.40	Earthen Levee	Repair Gates	CR C Ma	Inspector Comments: District installed a footing for hinged gate pole.	38.173968 ° -121.647212 °	38.173968 ° -121.647212 °	74 Y
DWR ID: DWR_RD0003_02_s_2013_74									
10	0.40	0.40	Earthen Levee	Slope Stability	WSA/W Ma	S2 : Repair the levee slope damaged by foot traffic and prevent access where possible. Inspector Comments: District repaired slope damage cause by foot traffic.	38.173989 ° -121.647142 °	38.173989 ° -121.647142 °	1 Y
DWR ID: DWR_RD0003_02_s_2012_1									
11	1.32	1.32	Earthen Levee	Encroachments	WSA/W Ma	PI : Pipe	38.171005 ° -121.631524 °	38.171005 ° -121.631524 °	39 Y
DWR ID: DWR_RD0003_02_s_2012_39									
12	1.71	1.71	Earthen Levee	Encroachments	WSA/W Ma	PI : Pipe	38.167958 ° -121.625706 °	38.167958 ° -121.625706 °	40 Y
DWR ID: DWR_RD0003_02_s_2012_40									
13	1.93	1.98	Earthen Levee	Vegetation	WS U En	V6 : Landscaping	38.166525 ° -121.622201 °	38.166176 ° -121.621332 °	70 Y
DWR ID: DWR_RD0003_02_s_2012_70									

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River		Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
14	2.50	2.50	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.164369 ° -121.612548 °	38.164369 ° -121.612548 °	6 Y
DWR ID: DWR_RD0003_02_s_2012_6										
15	2.50	2.50	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Cactus on landward slope and toe.	38.164347 ° -121.612503 °	38.164347 ° -121.612503 °	75 Y
DWR ID: DWR_RD0003_02_s_2013_75										
16	2.50	2.50	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Cactus on landward toe and berm.	° °	° °	30 Y
DWR ID: DWR_RD0003_02_f_2013_30										
17	2.78	2.78	Earthen Levee	Trim / Thin Trees	LS A/W	M Ma	T1 : Trim trees to at least five feet above ground level.	38.164676 ° -121.607479 °	38.164676 ° -121.607479 °	951 Y
DWR ID: DWR_RD0003_02_s_2012_951										
18	2.86	2.86	Earthen Levee	Encroachments	LS	M En	PR : Prunings Inspector Comments: Pruning piles at landward toe.	° °	° °	96 Y
DWR ID: DWR_RD0003_02_f_2013_96										
19	2.91	2.91	Earthen Levee	Encroachments	CR A/W	PI : Pipe Ma	Inspector Comments: Gas Pipeline	38.165065 ° -121.605275 °	38.165065 ° -121.605275 °	42 Y
DWR ID: DWR_RD0003_02_s_2012_42										
20	2.91	2.91	Earthen Levee	Encroachments	WSA/W	PI : Pipe Ma	Inspector Comments: Pipe crossing	38.165110 ° -121.605143 °	38.165110 ° -121.605143 °	43 Y
DWR ID: DWR_RD0003_02_s_2012_43										
21	3.29	3.29	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.167808 ° -121.599557 °	38.167808 ° -121.599557 °	7 Y
DWR ID: DWR_RD0003_02_s_2012_7										
22	3.32	3.32	Earthen Levee	Vegetation	LS A/W	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Obstructive blackberry.	38.168134 ° -121.599028 °	38.168134 ° -121.599028 °	44 Y
DWR ID: DWR_RD0003_02_s_2012_44										
23	3.39	3.39	Earthen Levee	Encroachments	WS	PI : Pipe Ma	Inspector Comments: Pipe penetration.	38.168734 ° -121.598183 °	38.168734 ° -121.598183 °	45 Y
DWR ID: DWR_RD0003_02_s_2012_45										
24	3.41	3.41	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping Inspector Comments: Iceplant and trees blocking view of landward slope.	38.169061 ° -121.597765 °	38.169061 ° -121.597765 °	46 Y
DWR ID: DWR_RD0003_02_s_2012_46										
25	3.56	3.56	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Palm tree at landward toe.	° °	° °	97 Y
DWR ID: DWR_RD0003_02_f_2013_97										
26	3.83	3.92	Earthen Levee	Trim / Thin Trees	LS A/W	M Ma	T1 : Trim trees to at least five feet above ground level.	38.173977 ° -121.593725 °	38.175118 ° -121.592925 °	8 Y
DWR ID: DWR_RD0003_02_s_2012_8										
27	3.87	3.87	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dense bamboo on landward slope.	38.174430 ° -121.593372 °	38.174430 ° -121.593372 °	952 Y
DWR ID: DWR_RD0003_02_s_2012_952										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
28	3.87	3.87	Earthen Levee	Encroachments	WSA/W	PI : Pipe En		38.174478 ° -121.593368 °	38.174478 ° -121.593368 °	47
DWR ID: DWR_RD0003_02_s_2012_47										
29	3.90	3.92	Earthen Levee	Trim / Thin Trees	LS	U Ma	T1 : Trim trees to at least five feet above ground level.	38.174817 ° -121.593110 °	38.175077 ° -121.592965 °	953 Y
DWR ID: DWR_RD0003_02_s_2012_953										
30	4.22	4.22	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Cactus on landside and waterside slope	°	°	15 Y
DWR ID: DWR_RD0003_02_s_2012_15										
31	4.24	4.24	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.179160 ° -121.590247 °	38.179160 ° -121.590247 °	48
DWR ID: DWR_RD0003_02_s_2012_48										
32	4.35	4.35	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.180361 ° -121.589127 °	38.180361 ° -121.589127 °	10
DWR ID: DWR_RD0003_02_s_2012_10										
33	4.36	4.42	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.180531 ° -121.589103 °	38.181330 ° -121.588480 °	92 Y
DWR ID: DWR_RD0003_02_s_2012_92										
34	4.50	4.50	Earthen Levee	Encroachments	LS A/W	PI : Pipe Ma		38.182290 ° -121.587641 °	38.182290 ° -121.587641 °	49
DWR ID: DWR_RD0003_02_s_2012_49										
35	4.59	4.59	Earthen Levee	Encroachments	LS A/W	PI : Pipe En		38.183468 ° -121.586634 °	38.183468 ° -121.586634 °	51
DWR ID: DWR_RD0003_02_s_2012_51										
36	4.72	4.80	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.184832 ° -121.585386 °	38.185737 ° -121.584473 °	13 Y
DWR ID: DWR_RD0003_02_s_2012_13										
37	4.98	4.98	Earthen Levee	Encroachments	WSA/W	PI : Pipe En		38.187660 ° -121.582438 °	38.187660 ° -121.582438 °	52
DWR ID: DWR_RD0003_02_s_2012_52										
38	5.05	5.10	Earthen Levee	Trim / Thin Trees	LS	M Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.188344 ° -121.581414 °	38.188748 ° -121.580743 °	14
DWR ID: DWR_RD0003_02_s_2012_14										
39	5.48	5.48	Earthen Levee	Encroachments	LS	M En	MA : Material Inspector Comments: Concrete rubble on landward slope.	38.191392 ° -121.574832 °	38.191392 ° -121.574832 °	76 Y
DWR ID: DWR_RD0003_02_s_2013_76										
40	5.66	5.68	Earthen Levee	Encroachments	LS	M En	FE : Fence Inspector Comments: Fence on landward shoulder.	38.192358 ° -121.571742 °	38.192458 ° -121.571320 °	21 Y
DWR ID: DWR_RD0003_02_s_2012_21										
41	5.72	5.72	Earthen Levee	Vegetation	WS	U Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dense vegetation and cactus on waterward slope.	°	°	98 Y
DWR ID: DWR_RD0003_02_f_2013_98										
42	5.94	6.00	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.193552 ° -121.566933 °	38.193832 ° -121.565995 °	11 Y
DWR ID: DWR_RD0003_02_s_2012_11										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
43	6.21	6.21	Earthen Levee	Encroachments	LS	M En	CR : Crops Inspector Comments: Orchard on lower levee slope	38.195586 ° -121.562669 °	38.195586 ° -121.562669 °	54
DWR ID: DWR_RD0003_02_s_2012_54										
44	6.66	6.69	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.201255 ° -121.558977 °	38.201634 ° -121.558886 °	88 Y
DWR ID: DWR_RD0003_02_s_2012_88										
45	7.02	7.04	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping Inspector Comments: Palm trees on landward slope.	38.206363 ° -121.558520 °	38.206598 ° -121.558530 °	12 Y
DWR ID: DWR_RD0003_02_s_2012_12										
46	7.16	7.16	Earthen Levee	Vegetation	LS	U Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dense vegetation at landward toe.	38.208205 ° -121.558565 °	38.208205 ° -121.558565 °	16 Y
DWR ID: DWR_RD0003_02_s_2012_16										
47	7.38	7.38	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.211357 ° -121.558468 °	38.211357 ° -121.558468 °	55 Y
DWR ID: DWR_RD0003_02_s_2012_55										
48	7.86	7.86	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.218235 ° -121.558481 °	38.218235 ° -121.558481 °	56 Y
DWR ID: DWR_RD0003_02_s_2012_56										
49	8.03	8.03	Earthen Levee	Encroachments	LS	M Ma	MA : Material Inspector Comments: Broken concrete pipes and farm equipment at landward toe.	° °	° °	99 Y
DWR ID: DWR_RD0003_02_f_2013_99										
50	8.20	8.20	Earthen Levee	Encroachments	LS	A/W En	PR : Prunings	38.223099 ° -121.557537 °	38.223099 ° -121.557537 °	57
DWR ID: DWR_RD0003_02_s_2012_57										
51	8.27	8.27	Earthen Levee	Encroachments	WSA/W	PI : Pipe En	Inspector Comments: Tunnel	38.224112 ° -121.557202 °	38.224112 ° -121.557202 °	58 Y
DWR ID: DWR_RD0003_02_s_2012_58										
52	8.41	8.41	Earthen Levee	Trim / Thin Trees	LS	A/W Ma	T1 : Trim trees to at least five feet above ground level. Inspector Comments: Fallen tree on levee slope.	38.226073 ° -121.557018 °	38.226073 ° -121.557018 °	17
DWR ID: DWR_RD0003_02_s_2012_17										
53	8.60	8.60	Earthen Levee	Encroachments	WS	M Ma	MA : Material Inspector Comments: Concrete footings and retaining walls at levee toe and slopes.	38.228793 ° -121.557233 °	38.228793 ° -121.557233 °	59
DWR ID: DWR_RD0003_02_s_2012_59										
54	9.04	9.04	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Cactus on landward slope and toe.	38.234783 ° -121.559477 °	38.234783 ° -121.559477 °	80 Y
DWR ID: DWR_RD0003_02_s_2013_80										
55	9.05	9.10	Earthen Levee	Encroachments	LS	M En	FE : Fence Inspector Comments: Unauthorized fence.	38.234790 ° -121.559488 °	38.235562 ° -121.559575 °	78 Y
DWR ID: DWR_RD0003_02_s_2013_78										
56	9.14	9.14	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	° °	° °	23
DWR ID: DWR_RD0003_02_s_2012_23										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
57	9.19	9.19	Earthen Levee	Encroachments	LS	M En	RA : Ramp Inspector Comments: New landowner installed unauthorized ramp on landside slope. District engineer has spoken with landowner about removing the ramp. Wild grape vines growing on ramp slope.	38.236877 ° -121.559528 °	38.236877 ° -121.559528 °	2 Y
DWR ID: DWR_RD0003_02_s_2012_2										
58	9.20	9.20	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.236999 ° -121.559412 °	38.236999 ° -121.559412 °	61
DWR ID: DWR_RD0003_02_s_2012_61										
59	9.23	9.31	Earthen Levee	Encroachments	LS	M En	BU : Building Inspector Comments: Ryde, CA	38.237346 ° -121.559154 °	38.238329 ° -121.558534 °	62
DWR ID: DWR_RD0003_02_s_2012_62										
60	9.37	9.37	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Palm trees on landward slope	° °	° °	100 Y
DWR ID: DWR_RD0003_02_f_2013_100										
61	9.47	9.47	Earthen Levee	Trim / Thin Trees	LS	A/W Ma	T1 : Trim trees to at least five feet above ground level.	38.240337 ° -121.556870 °	38.240337 ° -121.556870 °	63
DWR ID: DWR_RD0003_02_s_2012_63										
62	9.53	9.70	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.240926 ° -121.556160 °	38.242206 ° -121.553616 °	18
DWR ID: DWR_RD0003_02_s_2012_18										
63	9.75	9.85	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.242386 ° -121.552699 °	38.242519 ° -121.550864 °	64
DWR ID: DWR_RD0003_02_s_2012_64										
64	9.87	9.99	Earthen Levee	Trim / Thin Trees	LS	M Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Large redwood trees at the landward toe and berm.	° °	° °	101 Y
DWR ID: DWR_RD0003_02_f_2013_101										
65	10.01	10.10	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping Inspector Comments: Ivy on slope.	38.242228 ° -121.548090 °	38.241926 ° -121.546406 °	65
DWR ID: DWR_RD0003_02_s_2012_65										
66	10.13	10.13	Earthen Levee	Encroachments	LS	U En	FE : Fence	38.241880 ° -121.546108 °	38.241880 ° -121.546108 °	19 Y
DWR ID: DWR_RD0003_02_s_2012_19										
67	10.24	10.29	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.241551 ° -121.544035 °	38.241422 ° -121.543236 °	85
DWR ID: DWR_RD0003_02_s_2012_85										
68	10.34	10.38	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.241160 ° -121.542377 °	38.241005 ° -121.541618 °	22
DWR ID: DWR_RD0003_02_s_2012_22										
69	10.35	10.35	Earthen Levee	Encroachments	LS	U Ma	TR : Tree or limb Inspector Comments: Downed tree on landward slope.	° °	° °	102 Y
DWR ID: DWR_RD0003_02_f_2013_102										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River		Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
70	10.63	10.63	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Century plant on landward shoulder.	38.239850 ° -121.537237 °	38.239850 ° -121.537237 °	81
DWR ID: DWR_RD0003_02_s_2013_81										
71	10.74	10.74	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.239499 ° -121.535338 °	38.239499 ° -121.535338 °	66 Y
DWR ID: DWR_RD0003_02_s_2012_66										
72	10.98	10.98	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.238812 ° -121.531031 °	38.238812 ° -121.531031 °	67 Y
DWR ID: DWR_RD0003_02_s_2012_67										
73	11.02	11.11	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.238817 ° -121.530372 °	38.238959 ° -121.528758 °	68 Y
DWR ID: DWR_RD0003_02_s_2012_68										
74	11.12	11.35	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.238998 ° -121.528585 °	38.239825 ° -121.524558 °	69 Y
DWR ID: DWR_RD0003_02_s_2012_69										
75	11.31	11.31	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping Inspector Comments: Oleander on landward shoulder.	38.239730 ° -121.525190 °	38.239730 ° -121.525190 °	84 Y
DWR ID: DWR_RD0003_02_s_2013_84										
76	11.33	11.33	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2009 - Hole left in levee toe from a fallen tree. Could be repaired under maintenance. 2010 - Minor new erosion. 2012: No observed change. [2012 Site ID: SAC_26-3_R]	38.239983 ° -121.519361 °	38.239870 ° -121.520989 °	20 Y
DWR ID:										
77	11.44	11.44	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	° °	° °	26
DWR ID: DWR_RD0003_02_s_2012_26										
78	11.76	11.84	Earthen Levee	Trim / Thin Trees	WS	M Ma	T1 : Trim trees to at least five feet above ground level.	° °	° °	103
DWR ID: DWR_RD0003_02_f_2013_103										
79	11.79	11.79	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.241300 ° -121.517073 °	38.241300 ° -121.517073 °	24 Y
DWR ID: DWR_RD0003_02_s_2012_24										
80	11.86	11.95	Earthen Levee	Encroachments	LS	M En	BU : Building Inspector Comments: Walnut Grove, CA	38.242035 ° -121.516134 °	38.243125 ° -121.515229 °	71 Y
DWR ID: DWR_RD0003_02_s_2012_71										
81	12.03	12.07	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.243915 ° -121.514254 °	38.244392 ° -121.513740 °	83 Y
DWR ID: DWR_RD0003_02_s_2012_83										
82	12.12	12.12	Earthen Levee	Encroachments	LS	A/W Ma	TR : Tree or limb Inspector Comments: Broken tree limb on landward slope.	38.244933 ° -121.513140 °	38.244933 ° -121.513140 °	87 Y
DWR ID: DWR_RD0003_02_s_2013_87										
83	12.12	12.12	Earthen Levee	Encroachments	LS	M En	AV : Abandoned vehicles Inspector Comments: Abandoned vehicles and material on landward toe.	38.244942 ° -121.513132 °	38.244942 ° -121.513132 °	86 Y
DWR ID: DWR_RD0003_02_s_2013_86										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River		Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
84	12.21	12.21	Earthen Levee	Encroachments	LS En	M En	RA : Ramp Inspector Comments: Landowner installed new ramp with board permit.	38.246022 ° -121.512328 °	38.246022 ° -121.512328 °	268 Y
DWR ID: DWR_RD0003_02_s_2012_268										
85	12.21	12.21	Earthen Levee	Encroachments	LS En	M En	FE : Fence Inspector Comments: Landowner installed a new fence on landside of levee.	38.246025 ° -121.512327 °	38.246025 ° -121.512327 °	267 Y
DWR ID: DWR_RD0003_02_s_2012_267										
86	12.23	12.30	Earthen Levee	Vegetation	LS En	M En	V6 : Landscaping Inspector Comments: Landscaping and new wooden fence on landside slope.	38.246310 ° -121.512157 °	38.247332 ° -121.511773 °	31 Y
DWR ID: DWR_RD0003_02_s_2012_31										
87	12.26	12.26	Earthen Levee	Encroachments	LS En	M En	FE : Fence Inspector Comments: Landowner installed a new fence w/o permit.	38.246732 ° -121.511927 °	38.246732 ° -121.511927 °	269 Y
DWR ID: DWR_RD0003_02_s_2012_269										
88	12.33	12.40	Earthen Levee	Vegetation	LS En	U En	V6 : Landscaping Inspector Comments: Oleander blocking view of levee on landside slope.	38.247788 ° -121.511695 °	38.248682 ° -121.511657 °	32 Y
DWR ID: DWR_RD0003_02_s_2012_32										
89	12.48	12.55	Earthen Levee	Vegetation	LS En	U En	V6 : Landscaping	38.249920 ° -121.511845 °	38.250808 ° -121.512152 °	34 Y
DWR ID: DWR_RD0003_02_s_2012_34										
90	12.49	12.49	Earthen Levee	Trim / Thin Trees	WSA/W Ma	T1	T1 : Trim trees to at least five feet above ground level.	38.249937 ° -121.511834 °	38.249937 ° -121.511834 °	25 Y
DWR ID: DWR_RD0003_02_s_2012_25										
91	12.60	12.63	Earthen Levee	Vegetation	LS En	U En	V6 : Landscaping Inspector Comments: Landscaping blocking view of landside slope.	38.251463 ° -121.512458 °	38.251873 ° -121.512678 °	35 Y
DWR ID: DWR_RD0003_02_s_2012_35										
92	12.77	12.85	Earthen Levee	Vegetation	LS En	U En	V6 : Landscaping Inspector Comments: Dense landscaping on landside shoulder and slope.	38.253593 ° -121.513883 °	38.254590 ° -121.514862 °	37 Y
DWR ID: DWR_RD0003_02_s_2012_37										
93	12.96	13.01	Earthen Levee	Vegetation	LS En	M En	V6 : Landscaping	38.255772 ° -121.516007 °	38.256285 ° -121.516567 °	89 Y
DWR ID: DWR_RD0003_02_s_2013_89										
94	13.26	13.29	Earthen Levee	Vegetation	LS En	U En	V6 : Landscaping Inspector Comments: Dense landscaping blocking view of landside slope.	38.258703 ° -121.520160 °	38.259003 ° -121.520557 °	82 Y
DWR ID: DWR_RD0003_02_s_2012_82										
95	13.60	13.60	Earthen Levee	Encroachments	LS Ma	M Ma	ST : Stairway Inspector Comments: Landowner installed unauthorized stairs on landside slope.	38.262125 ° -121.524405 °	38.262125 ° -121.524405 °	9 Y
DWR ID: DWR_RD0003_02_s_2012_9										
96	13.90	13.90	Earthen Levee	Trim / Thin Trees	LS A/W Ma	T1	T1 : Trim trees to at least five feet above ground level.	° °	° °	27 Y
DWR ID: DWR_RD0003_02_s_2012_27										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector			
Unit No. 02 Right Bank Sacramento River				Right	17.62	10/01/2013 10/02/2013	Richard Willoughby			
LMIR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
97	13.96	13.96	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.265763 ° -121.529158 °	38.265763 ° -121.529158 °	90
								DWR ID: DWR_RD0003_02_s_2013_90		
98	14.20	14.20	Earthen Levee	Trim / Thin Trees	LS	A/W En	T1 : Trim trees to at least five feet above ground level.	38.267991 ° -121.532340 °	38.267991 ° -121.532340 °	33
								DWR ID: DWR_RD0003_02_s_2012_33		
99	14.36	14.38	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.269642 ° -121.534540 °	38.269882 ° -121.534863 °	50 Y
								DWR ID: DWR_RD0003_02_s_2012_50		
100	14.47	14.47	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.270703 ° -121.535938 °	38.270703 ° -121.535938 °	91
								DWR ID: DWR_RD0003_02_s_2013_91		
101	14.85	14.88	Earthen Levee	Trim / Thin Trees	LS	A/W Ma	T1 : Trim trees to at least five feet above ground level.	38.274492 ° -121.541022 °	38.274898 ° -121.541533 °	93
								DWR ID: DWR_RD0003_02_s_2013_93		
102	14.93	15.09	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.275256 ° -121.542099 °	38.276857 ° -121.543988 °	72 Y
								DWR ID: DWR_RD0003_02_s_2012_72		
103	15.20	15.27	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.278237 ° -121.545405 °	38.278930 ° -121.546218 °	53
								DWR ID: DWR_RD0003_02_s_2012_53		
104	15.53	15.71	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.281505 ° -121.549645 °	38.282957 ° -121.552260 °	94
								DWR ID: DWR_RD0003_02_s_2013_94		
105	15.84	15.93	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.284124 ° -121.554084 °	38.285129 ° -121.555342 °	79 Y
								DWR ID: DWR_RD0003_02_s_2012_79		
106	15.95	15.98	Earthen Levee	Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.285317 ° -121.555452 °	38.285605 ° -121.555810 °	95
								DWR ID: DWR_RD0003_02_s_2013_95		
107	16.45	16.51	Earthen Levee	Vegetation	LS	U En	V6 : Landscaping	38.290742 ° -121.561575 °	38.291390 ° -121.562268 °	60 Y
								DWR ID: DWR_RD0003_02_s_2012_60		
108	16.54	16.54	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 1997 - Erosion of supper sandy levee material above the water line, straight reach. 1999 - Small pocket repaired with rock. 2005 - Downstream 400 ft have been repaired. 2011 - Site is overgrown with vegetation. 2012: No observed change. [2012 Site ID: SAC_31-6_R]	38.295730 ° -121.566295 °	38.294757 ° -121.565376 °	28 Y
								DWR ID:		
109	16.84	16.90	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	38.295082 ° -121.566037 °	38.295832 ° -121.566756 °	77 Y
								DWR ID: DWR_RD0003_02_s_2012_77		

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.40
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Photo of obstructive vegetation on levee slopes.

richard\_f\_20130918\_189.jpg



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.40
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking northeast a typical view of levee between levee mile 0.00 to 0.44

richard\_f\_20130918\_190.jpg



Levee Mile Report Line	3
Start Levee Mile	0.09
End Levee Mile	0.09
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking northwest at garbage on landward slope.

richard\_f\_20131003\_059.JPG



<p><b>* Location</b></p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p> <p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor &amp; Maintain</p>	<p><b>+ Issue Type</b></p> <p>Ma : Maintenance Deficiency Ob : Design &amp; System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	6
Start Levee Mile	0.31
End Levee Mile	0.33
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Looking northeast at bamboo on waterside slope.	
richard_f_20130918_150.jpg	



Levee Mile Report Line	6
Start Levee Mile	0.31
End Levee Mile	0.33
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Looking northeast at the new sprouting of bamboo on waterward slope.	
richard_f_20130918_151.JPG	



Levee Mile Report Line	8
Start Levee Mile	0.36
End Levee Mile	0.36
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Looking northeast at erosion on waterward slope and toe.	
richard_f_20131003_060.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	8
Start Levee Mile	0.36
End Levee Mile	0.36
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking east at erosion that extends from waterward shoulder to waterward toe.

richard\_f\_20131003\_061.JPG



Levee Mile Report Line	10
Start Levee Mile	0.40
End Levee Mile	0.40
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Slope instability caused by foot traffic on levee slope.

richard\_f\_20130918\_146.jpg



Levee Mile Report Line	10
Start Levee Mile	0.40
End Levee Mile	0.40
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Looking east at repaired slope damage caused by foot traffic.

richard\_f\_20130918\_147.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	13
Start Levee Mile	1.93
End Levee Mile	1.98
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Landscaping on levee slope obstructs visibility and access.	
richard_f_20130918_187.jpg	



Levee Mile Report Line	15
Start Levee Mile	2.50
End Levee Mile	2.50
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking northwest at dense vegetation on landward slope.	
richard_f_20130918_192.JPG	



Levee Mile Report Line	16
Start Levee Mile	2.50
End Levee Mile	2.50
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking west at cactus on landward toe.	
richard_f_20131011_063.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	18
Start Levee Mile	2.86
End Levee Mile	2.86
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking west at pruning piles on landward toe.	
richard_f_20131011_064.JPG	



Levee Mile Report Line	21
Start Levee Mile	3.29
End Levee Mile	3.29
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking west at dense vegetation on landside slope and toe.	
richard_f_20130918_152.jpg	



Levee Mile Report Line	22
Start Levee Mile	3.32
End Levee Mile	3.32
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking west at berryvines on landside toe.	
richard_f_20130918_177.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	23
Start Levee Mile	3.39
End Levee Mile	3.39
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Pipe penetration, closure valve in open position.	
richard_f_20130918_178.jpg	



Levee Mile Report Line	24
Start Levee Mile	3.41
End Levee Mile	3.41
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking northwest at landscaping blocking view of landward slope.	
richard_f_20131011_065.JPG	



Levee Mile Report Line	25
Start Levee Mile	3.56
End Levee Mile	3.56
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking west at plum tree on landward toe.	
richard_f_20131011_066.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	27
Start Levee Mile	3.87
End Levee Mile	3.87
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking west at dense bamboo on landside slope.	
richard_f_20130918_209.jpg	



Levee Mile Report Line	29
Start Levee Mile	3.90
End Levee Mile	3.92
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking northwest at dense trees on landward shoulder and slope.	
richard_f_20131011_067.JPG	



Levee Mile Report Line	30
Start Levee Mile	4.22
End Levee Mile	4.22
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking west at cactus on landside slope.	
richard_f_20130918_162.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	30
Start Levee Mile	4.22
End Levee Mile	4.22
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southeast a cactus on waterside shoulder and slope.	
richard_f_20130918_163.jpg	



Levee Mile Report Line	33
Start Levee Mile	4.36
End Levee Mile	4.42
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping on levee slope and toe obstructs access and visibility.	
richard_f_20130918_205.jpg	



Levee Mile Report Line	36
Start Levee Mile	4.72
End Levee Mile	4.80
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking west at dense vegetation on landward slope.	
richard_f_20130918_160.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	36
Start Levee Mile	4.72
End Levee Mile	4.80
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking west at vegetation on landward shoulder.

richard\_f\_20130918\_161.JPG



Levee Mile Report Line	39
Start Levee Mile	5.48
End Levee Mile	5.48
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking west at concrete rubble on landward shoulder and slope.

richard\_f\_20130918\_193.JPG



Levee Mile Report Line	40
Start Levee Mile	5.66
End Levee Mile	5.68
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking west at cyclone fence on landward shoulder.

richard\_f\_20130918\_168.JPG



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	41
Start Levee Mile	5.72
End Levee Mile	5.72
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Looking east at dense vegetation and cactus on waterward slope.	
richard_f_20131011_068.JPG	



Levee Mile Report Line	42
Start Levee Mile	5.94
End Levee Mile	6.00
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Oleander on landside shoulder blocking view of levee slope from LM 5.94 to 6.00	
richard_f_20130918_155.jpg	



Levee Mile Report Line	42
Start Levee Mile	5.94
End Levee Mile	6.00
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping on levee slope and toe obstructs access and visibility.	
richard_f_20130918_156.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	44
Start Levee Mile	6.66
End Levee Mile	6.69
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking south at landscaping on landside shoulder.	
richard_f_20130918_204.jpg	



Levee Mile Report Line	45
Start Levee Mile	7.02
End Levee Mile	7.04
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Dense trees at landside toe and shoulder.	
richard_f_20130918_157.jpg	



Levee Mile Report Line	45
Start Levee Mile	7.02
End Levee Mile	7.04
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Front view of palm trees on landside shoulder.	
richard_f_20130918_158.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	45
Start Levee Mile	7.02
End Levee Mile	7.04
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southwest at updated dense veg. on landside slope.	
richard_f_20130918_159.jpg	



Levee Mile Report Line	46
Start Levee Mile	7.16
End Levee Mile	7.16
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southwest at dense veg. on landside toe.	
richard_f_20130918_164.jpg	



Levee Mile Report Line	47
Start Levee Mile	7.38
End Levee Mile	7.38
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking northwest a dense landscaping on landside shoulder and slope.	
richard_f_20130918_180.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	48
Start Levee Mile	7.86
End Levee Mile	7.86
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking west at cactus on landside shoulder and slope.	
richard_f_20130918_181.jpg	



Levee Mile Report Line	49
Start Levee Mile	8.03
End Levee Mile	8.03
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking west at broken concrete pipes and farm equipment at landward toe.	
richard_f_20131011_069.JPG	



Levee Mile Report Line	51
Start Levee Mile	8.27
End Levee Mile	8.27
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Photo of tunnel through levee.	
richard_f_20130918_182.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	54
Start Levee Mile	9.04
End Levee Mile	9.04
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking west at cactus on landward slope and toe.

richard\_f\_20130918\_198.JPG



Levee Mile Report Line	55
Start Levee Mile	9.05
End Levee Mile	9.10
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking northwest at unauthorized fence on landward shoulder.

richard\_f\_20130918\_195.JPG



Levee Mile Report Line	57
Start Levee Mile	9.19
End Levee Mile	9.19
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking south at unauthorized ramp on landside slope.

richard\_f\_20130918\_148.jpg



<p><b>* Location</b></p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p> <p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor &amp; Maintain</p>	<p><b>+ Issue Type</b></p> <p>Ma : Maintenance Deficiency Ob : Design &amp; System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	57
Start Levee Mile	9.19
End Levee Mile	9.19
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking southeast at ramp on landside slope.	
richard_f_20130918_149.jpg	



Levee Mile Report Line	57
Start Levee Mile	9.19
End Levee Mile	9.19
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking southwest at unauthorized ramp on landside. 2013	
richard_f_20131011_070.JPG	



Levee Mile Report Line	60
Start Levee Mile	9.37
End Levee Mile	9.37
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking west at plam trees on landward shoulder and slope.	
richard_f_20131011_071.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	64
Start Levee Mile	9.87
End Levee Mile	9.99
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking southwest at dense redwood trees on landward toe and berm.	
richard_f_20131011_072.JPG	



Levee Mile Report Line	64
Start Levee Mile	9.87
End Levee Mile	9.99
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Looking northwest at dense redwood trees on landward toe and berm.	
richard_f_20131011_073.JPG	



Levee Mile Report Line	66
Start Levee Mile	10.13
End Levee Mile	10.13
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Block/Concrete fence on landside shoulder at LM 10.13	
richard_f_20130918_165.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	69
Start Levee Mile	10.35
End Levee Mile	10.35
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking west at down tree on landward slope.

richard\_f\_20131011\_074.JPG



Levee Mile Report Line	71
Start Levee Mile	10.74
End Levee Mile	10.74
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Landscaping on levee slope and toe obstructs access and visibility.

richard\_f\_20130918\_184.jpg



Levee Mile Report Line	72
Start Levee Mile	10.98
End Levee Mile	10.98
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Landscaping on levee slope obstructs access and visibility.

richard\_f\_20130918\_185.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	74
Start Levee Mile	11.12
End Levee Mile	11.35
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Landscaping trees on levee slope an toe obstruct access and visibility.	
richard_f_20130918_186.jpg	



Levee Mile Report Line	75
Start Levee Mile	11.31
End Levee Mile	11.31
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southwest at dense landscaping on landward shoulder and slope.	
richard_f_20130918_201.JPG	



Levee Mile Report Line	76
Start Levee Mile	11.33
End Levee Mile	11.33
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_SAC_26-3_R_1.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	76
Start Levee Mile	11.33
End Levee Mile	11.33
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #2	
USACE2013_SAC_26-3_R_2.jpg	



Levee Mile Report Line	81
Start Levee Mile	12.03
End Levee Mile	12.07
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking northwest at dense landscaping on landside shoulder and slope.	
richard_f_20130918_200.jpg	



Levee Mile Report Line	83
Start Levee Mile	12.12
End Levee Mile	12.12
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northwest at abandoned vehicles on landward toe.	
richard_f_20130918_202.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	83
Start Levee Mile	12.12
End Levee Mile	12.12
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking southwest at abandoned vehicles and material on landward slope and toe.	
richard_f_20130918_203.JPG	



Levee Mile Report Line	84
Start Levee Mile	12.21
End Levee Mile	12.21
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northwest at new ramp on landside slope.	
richard_f_20130918_207.jpg	



Levee Mile Report Line	85
Start Levee Mile	12.21
End Levee Mile	12.21
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northwest at new fence on landside shoulder and slope.	
richard_f_20130918_206.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	86
Start Levee Mile	12.23
End Levee Mile	12.30
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking west at dense landscaping on landside shoulder and slope.	
richard_f_20130918_172.jpg	



Levee Mile Report Line	87
Start Levee Mile	12.26
End Levee Mile	12.26
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northwest a new wooden fence on landside shoulder.	
richard_f_20130918_208.jpg	



Levee Mile Report Line	88
Start Levee Mile	12.33
End Levee Mile	12.40
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking northwest at oleander on landside shoulder.	
richard_f_20130918_173.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	89
Start Levee Mile	12.48
End Levee Mile	12.55
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking northwest at dense landscaping on landside shoulder.	
richard_f_20130918_174.jpg	



Levee Mile Report Line	91
Start Levee Mile	12.60
End Levee Mile	12.63
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking northwest at dense landscaping on landside shoulder and slope.	
richard_f_20130918_175.jpg	



Levee Mile Report Line	92
Start Levee Mile	12.77
End Levee Mile	12.85
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking northwest at dense landscaping on landside shoulder and slope.	
richard_f_20130918_176.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	94
Start Levee Mile	13.26
End Levee Mile	13.29
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking west at dense landscaping on landside shoulder and slope.	
richard_f_20130918_199.jpg	



Levee Mile Report Line	95
Start Levee Mile	13.60
End Levee Mile	13.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking west at stairs on landside slope.	
richard_f_20130918_153.jpg	



Levee Mile Report Line	95
Start Levee Mile	13.60
End Levee Mile	13.60
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northwest at stairs on landside slope.	
richard_f_20130918_154.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	99
Start Levee Mile	14.36
End Levee Mile	14.38
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking west at landscaping on landside slope.	
richard_f_20130918_179.jpg	



Levee Mile Report Line	102
Start Levee Mile	14.93
End Levee Mile	15.09
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking northwest a dense landscaping on landside shoulder and slope.	
richard_f_20130918_188.jpg	



Levee Mile Report Line	105
Start Levee Mile	15.84
End Levee Mile	15.93
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking south at landscaping on levee slope and toe obstruct access and visibility.	
richard_f_20130918_196.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

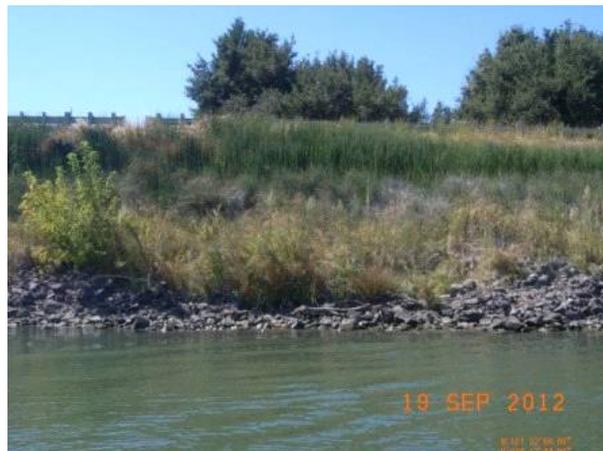
Levee Mile Report Line	105
Start Levee Mile	15.84
End Levee Mile	15.93
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking northwest at dense landscaping on landside shoulder and slope.	
richard_f_20130918_197.jpg	



Levee Mile Report Line	107
Start Levee Mile	16.45
End Levee Mile	16.51
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking west at dense landscaping on landside shoulder and slope.	
richard_f_20130918_183.jpg	



Levee Mile Report Line	108
Start Levee Mile	16.54
End Levee Mile	16.54
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #1	
USACE2013_SAC_31-6_R_1.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.62	10/01/2013 10/02/2013	Richard Willoughby

Levee Mile Report Line	108
Start Levee Mile	16.54
End Levee Mile	16.54
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #2	
USACE2013_SAC_31-6_R_2.jpg	



Levee Mile Report Line	108
Start Levee Mile	16.54
End Levee Mile	16.54
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2012 Photo #3	
USACE2013_SAC_31-6_R_3.jpg	



Levee Mile Report Line	109
Start Levee Mile	16.84
End Levee Mile	16.90
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking west at landscaping on landside shoulder and slope.	
richard_f_20130918_194.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2013 Levee Inspection Results**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles
Unit No. 03 Cross Levee		0.43

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>U</b>	
Date of Inspection	04/15/2013 - 04/15/2013		10/01/2013 - 10/01/2013	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cross Levee		0.43	10/01/2013 10/01/2013	Richard Willoughby

LMIR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.02	0.02	Earthen Levee	Encroachments	WS	M Ma	GA : Garbage Inspector Comments: Old corrugated pipe on waterward slope.	°	°	1 Y
DWR ID: DWR_RD0003_03_f_2013_1										
2	0.06	0.06	Earthen Levee	Slope Stability	LS	M Ma	S1 : Repair slope instability. Inspector Comments: Larger depression on landward slope.	38.181427 ° -121.653622 °	38.181427 ° -121.653622 °	3 Y
DWR ID: DWR_RD0003_03_s_2013_3										
3	0.08	0.43	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M Ma	C3 : Add appropriate gravel or road base. Grade and compact.	38.181223 ° -121.653617 °	38.176118 ° -121.653765 °	4
DWR ID: DWR_RD0003_03_s_2013_4										
4	0.15	0.18	Earthen Levee	Trim / Thin Trees	WS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.180150 ° -121.653645 °	38.179722 ° -121.653663 °	5
DWR ID: DWR_RD0003_03_s_2013_5										
5	0.26	0.30	Earthen Levee	Encroachments	WS	M En	MA : Material Inspector Comments: Stockpile of rip rap, concrete rubble and sandpile on waterward slope.	38.178635 ° -121.653695 °	38.178037 ° -121.653715 °	6 Y
DWR ID: DWR_RD0003_03_s_2013_6										
6	0.37	0.37	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Willows on landward slope and toe.	38.177028 ° -121.653758 °	38.177028 ° -121.653758 °	7
DWR ID: DWR_RD0003_03_s_2013_7										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cross Levee		0.43	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	1
Start Levee Mile	0.02
End Levee Mile	0.02
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking southeast at old corrugated pipe on waterward slope.	
richard_f_20131003_058.JPG	



Levee Mile Report Line	2
Start Levee Mile	0.06
End Levee Mile	0.06
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Looking north on depression on landward slope.	
richard_f_20130918_210.JPG	



Levee Mile Report Line	2
Start Levee Mile	0.06
End Levee Mile	0.06
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
Looking east at depression on landward slope.	
richard_f_20130918_211.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2013**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cross Levee		0.43	10/01/2013 10/01/2013	Richard Willoughby

Levee Mile Report Line	5
Start Levee Mile	0.26
End Levee Mile	0.30
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Looking east at concrete rubble and other material stored on landward shoulder and slope.	
richard_f_20130918_212.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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